Ramboll Environ
20 Custom House Street
Suite 800
Boston, MA 02110

Daily Report For 2016-06-06

Metal Bank
Sheetpile Repair
Cottman Avenue
Philadelphia, PA (US)
Report number: 3340011G-21
Date: June 06, 2016 12:52 PM

Status

6/6/2016 (Monday) - Day 18 of R6 stone installation in Zone 2; Day 19 of overall R6 stone installation. Day 5 of Dock Welders on-site. Surveyor and the Army Corps of Engineers also on-site. The crane was used to perform R6 stone placement between Targets C and D and between Targets C and B in Zone 2. The long-reach excavator was used to manage the R6 material stockpile area. Welders continued to prepare the waler repair area for installation of the new waler, which is scheduled to begin tomorrow, although the Army Corps of Engineers pointed out a few issues that will be addressed before welding begins. CEI conducted turbidity monitoring twice today, at approximately 0750 and 1315. The turbidity readings did not exceed performance criteria.

Details of Construction Activities

0630 to 0700 - Ramboll Environ (June Yeung) and CEI on-site. Subcontractors for crane operation (Thackray) and Dock Welders also on-site. Surveyor (Weber) also on-site.
0700 - CEI performed health and safety meeting.
0705 - Crews mobilized to work areas.
0720 to 1500 - CEI performed stone placement with the crane in Zone 2. Stone placement was performed between Targets C and D from 0720 to 1200 and between Targets C and B after 1230. A CEI spotter assisted crane operator during stone placement throughout the day.
0725 to 1500 - Dock welders worked to prepare the area for installation of the new waler.
0730 to 0815 - CEI made adjustments to the turbidity curtain and took turbidity readings. The turbidity readings did not exceed performance criteria.
0900 to 1500 - New CEI operator for long-reach excavator on-site. This operator used the long-reach excavator to manage stockpiled R6 stone throughout the day.
0900 to 1025 - Three (3) representatives from the Army Corps of Engineers (David Depolo, Travis Fatzinger, and Danielle) on-site. Ramboll Environ examined Zone 2 repair area with the Army Corps of Engineers, who expressed the following concerns:
- The ¼” filler rods proposed for use in CEI’s Submittal No.7.2 (Waler Repair Sequence and Procedures) are too big for overhead and vertical welds using Shielded Metal Arc Welding (SMAW). According to the American Welding Society Welding Procedure Specification (WPS) No. 1.1, the maximum diameter of the electrode for these types of welds is 3/16”. Therefore, the filler rods used for overhead and vertical welds should be 5/32” or 1/8". According to this WPS, 1/4" filler rods are only allowed for fillet or groove welds in a flat position or fillet welds in a horizontal position. **Contractor Response:** Smaller rods will be used (5/32" or 1/8") contingent upon RAC approval.
- The Army Corps of Engineers stressed that the welder should use a backing bar for single v-groove welds, as indicated in Submittal No. 7.2. Consequently, CEI recut and rebeveled butt of one waler in Zone 2 repair area to account for the use of backing bars.
1200 - Surveyor off-site.
1245 to 1330 - CEI made adjustments to the turbidity curtain and took turbidity readings. The turbidity readings did not exceed performance criteria.
1530 - CEI off-site.
1600 - Ramboll Environ off-site.

The Week Ahead

Tuesday 6/7
Continue R6 stone placement in Zones 2 and 3.
Walter Papp of RA Consultants and Army Corps of Engineers on-site.
Delivery of additional filler rods for welding.

Wednesday 6/8
Continue R6 stone placement in Zone 3

Thursday 6/9
Continue R6 stone placement in Zone 3

Friday 6/10
Continue R6 stone placement in Zone 3

Monday 6/13
Continue R6 stone placement in Zone 3

The following activities will also take place over the next few days, although the exact dates are currently unknown:
- Continue waler repair work. Waler repair completion date uncertain.
- Tie-rod testing following waler repair
- Surveyor will be on site one more time this week

Contacts and people present

Role and company name	Name	Contact information	Present	Sent
Oversight [Ramboll]	Eric Emery	609-961-1363 eemery@ramboll.com	✘	✔
Oversight [Ramboll]	Joe Vitale	jvitale@ramboll.com	✘	✔
Oversight [Ramboll]	June Yeung	609-977-5899 jyeung@ramboll.com	✔	✔
CEI Project Superintendent [Creamer Environmental, Inc.]	John Castellani	201-522-5089 jcastellani@creamerenvironmental.com	✔	✔
CEI Project Manager [Creamer Environmental, Inc.]	Gary Kowalski	201-376-7153 gkowalski@creamerenvironmental.com	✘	✔
Laborer [Creamer Environmental, Inc.]	Laborer 1		✔	
Laborer [Creamer Environmental, Inc.]	Laborer 2		✔	
Laborer [Creamer Environmental, Inc.]	Laborer 3		✔	
Laborer [Creamer Environmental, Inc.]	Laborer 4		✘	

Ramboll Project Manager [Ramboll]	Nicholas Steenhaut	617-946-6109 nsteenhaut@ramboll.com	✘	✔
EPA Oversight [CDM Smith]	(b) (4) [redacted]	(b) (4) [redacted] [redacted]@cdmsmith.com	✘	✔
EPA Oversight [USACE]	David Depolo	David.S.Depolo@usace.army.mil	✔	✔
EPA Oversight [CDM Smith]	(b) (4) [redacted]	(b) (4) [redacted] [redacted]@cdmsmith.com	✘	✔
EPA Oversight [USACE]	Travis Fatzinger	Travis.T.Fatzinger@usace.army.mil	✔	✔
EPA Oversight [USEPA]	William Geiger	Geiger.William@epa.gov	✘	✔
Design Engineer [RAC]	Joe Caciola	joe@racllc.com	✘	✔
Design Engineer [RAC]	Walter Papp	walter@racllc.com	✘	✔
Operator [Creamer Environmental, Inc.]	Operator 1		✔	
Operator [Thackray Crane Rental, Inc.]	Operator 2		✔	
Oiler 1 [Thackray Crane Rental, Inc.]	Oiler 1		✔	
Welder [Creamer Environmental, Inc.]	Welder 1		✔	
Welder [Creamer Environmental, Inc.]	Welder 2		✔	
Welder [Creamer Environmental, Inc.]	Welder 3		✘	

Visitors

Material Delivery Trucks
Army Corps of Engineers (David Depolo, Travis Fatzinger, Danielle)

Equipment On-Site

CASE CX250C Long Reach Excavator
CASE 821F Loader

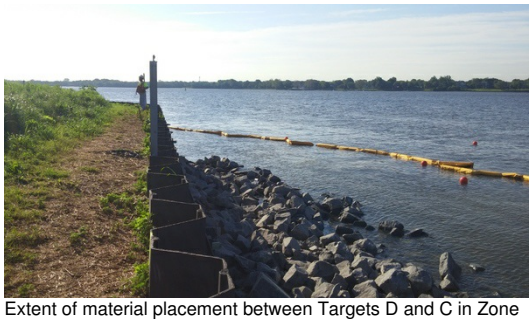
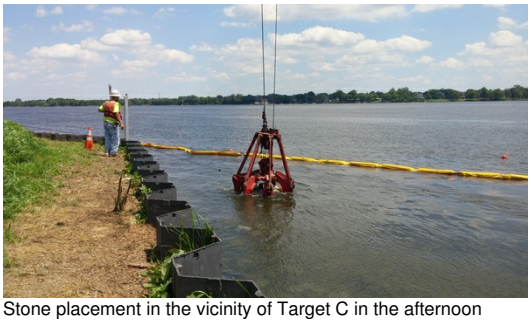
CAROLINA SKIFF 19DL.X Boat
American 9310 Lattice Boom Crane (equipped with grappler; clamshell bucket removed but still on-site)
Welding Equipment (welding generators, gas canisters, etc.)

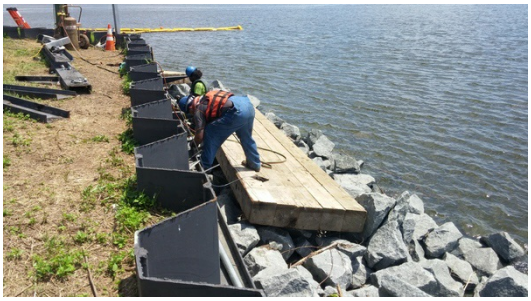
Material Tracking

Fifteen (15) loads of R6 stone, totaling 302.9 tons, were imported. Approximately 280 tons of material was placed today, roughly 230 tons were placed between Targets C and D and 50 tons were placed between Targets C and B.

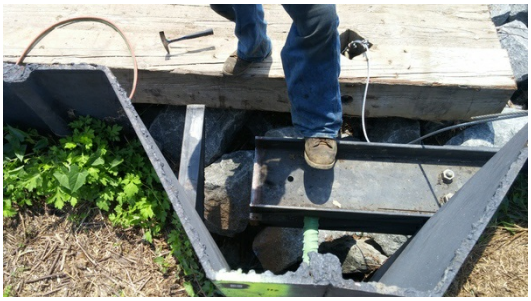
A total of 3886.82 tons of R6 stone has been delivered to date. Approximately 3260 tons have been placed to date.

Observations

Remark	Description	Assignee(s):
Rip-Rap		
✔ **R6 stone placement [3.1]** June 06, 2016	R6 material placement continues in Zone 2 between Targets C and D and between C and B.	
	 Extent of material placement between Targets D and C in Zone 2 at morning low tide (facing NE).  Stone placement in the vicinity of Target C in the afternoon (facing NE).	
General / Other		
✘ **Dock Welders continuing waler repair [17.1]** June 06, 2016	Dock welders continue waler repair activities. RAC should confirm the size of the filler rods to be used, since the Army Corps of Engineers indicates that the 1/4" rods specified in Submittal No. 7.2 seem to be too big, according to American Welding Society Welding Procedure Specification No. 1.1. CEI is currently not planning to use the 1/4" rods. Additionally, CEI needs to make sure the welders are aware of all the requirements before any welding is performed tomorrow. We understand that the foreman leading the welding effort was out today, but will be back tomorrow to ensure the finish welding follows the design requirements.	John Castellani Walter Papp



Rebeveling butt of one waler in Zone 2 to account for use of backing bar.



Recut and rebeveled waler in Zone 2 to account for use of backing bar.

Testing and Monitoring

CEI provided today's turbidity monitoring data. These data indicate that there were no exceedences of the performance criteria. Survey data collected today will be provided to the EPA as soon as they become available.

Documents

Description	Status	Date	Responsible
Baseline Bathymetric Survey	Received	05/09/2016	John Castellani
Baseline Wall Survey	Received	05/09/2016	John Castellani
Turbidity Monitoring 05/10/2016	Received	05/10/2016	John Castellani
Stone Delivery Tickets 05/09/2016	Received	05/09/2016	John Castellani
Turbidity Monitoring 05/11/2016	Received	05/11/2016	John Castellani
Stone Delivery Tickets 05/11/2016	Received	05/11/2016	John Castellani
Stone Delivery Tickets 05/10/2016 (Revised)	Received	05/10/2016	John Castellani
Stone Delivery Tickets 05/12/2016	Received	05/12/2016	John Castellani
Turbidity Monitoring 05/12/2016	Received	05/12/2016	John Castellani
Turbidity Monitoring 05/13/2016	Received	05/13/2016	John Castellani
Turbidity Monitoring 05/16/2016	Received	05/16/2016	John Castellani
Stone Delivery Tickets 05/16/2016	Received	05/16/2016	John Castellani
Stone Delivery Tickets 05/13/2016	Received	05/13/2016	John Castellani
Wall and Rip Rap Survey 5/16/16	Received	05/16/2016	John Castellani
Turbidity Monitoring 05/17/2016	Received	05/17/2016	John Castellani

Turbidity Monitoring 05/18/2016	Received	05/18/2016	John Castellani
Stone Delivery Tickets 05/19/2016	Received	05/19/2016	John Castellani
Turbidity Monitoring 05/19/2016	Received	05/19/2016	John Castellani
Turbidity Monitoring 5/20/2016	Received	05/20/2016	John Castellani
Stone Delivery Tickets 5/20/2016	Received	05/20/2016	John Castellani
Sheetpile and Rip Rap Survey 5/19/2016	Received	05/19/2016	John Castellani
Stone Delivery Tickets 05/23/2016	Received	05/23/2016	John Castellani
Turbidity Monitoring 05/23/2016	Received	05/23/2016	John Castellani
Sheetpile and Rip Rap Survey 5/23/2016	Received	05/23/2016	John Castellani
Turbidity Monitoring 05/24/2016	Received	05/24/2016	John Castellani
Stone Delivery Tickets 05/24/2016	Received	05/24/2016	John Castellani
Turbidity Monitoring 05/25/2016	Received	05/25/2016	John Castellani
Turbidity Monitoring 05/26/2016	Received	05/26/2016	John Castellani
Stone Delivery Tickets 05/26/2016	Received	05/26/2016	John Castellani
Sheetpile and Rip Rap Survey 5/26/2016	Received	05/26/2016	John Castellani
Waste Manifest for Diesel Spill Cleanup Materials	Not yet received	05/25/2016	John Castellani
Turbidity Monitoring 05/27/2016	Received	05/27/2016	John Castellani
Stone Delivery Tickets 05/27/2016	Received	05/27/2016	John Castellani
Waler BOL 05/27/2016	Received	05/27/2016	John Castellani
Welder Qualification_Michael Gill	Received	05/31/2016	John Castellani
Turbidity Monitoring 05/31/2016	Received	05/31/2016	John Castellani
Stone Delivery Tickets 05/31/2016	Received	05/31/2016	John Castellani
Welder Qualification_Tyrone Livingston	Received	06/01/2016	John Castellani
Stone Delivery Tickets 06/01/2016	Received	06/01/2016	John Castellani
Turbidity Monitoring 06/01/2016	Received	06/01/2016	John Castellani

Sheetpile and Rip Rap Survey 6/1/2016	Received	06/01/2016	John Castellani
Sheet Pile and Rip Rap Survey 06/02/2016	Received	06/02/2016	John Castellani
Stone Delivery Tickets 06/02/2016	Received	06/02/2016	John Castellani
Turbidity Monitoring 06/02/2016	Received	06/02/2016	John Castellani
Turbidity Monitoring 06/03/3016	Received	06/03/2016	John Castellani
Stone Delivery Tickets 06/03/2016	Received	06/03/2016	John Castellani
Turbidity Monitoring 06/06/2016	Received	06/06/2016	John Castellani
Stone Delivery Tickets 06/06/2016	Received	06/06/2016	John Castellani
Sheetpile and Rip Rap Survey 6/6/2016	Not yet received	06/06/2016	John Castellani

General conditions

Disclaimer: Information contained in this Field Observation Report has been prepared to the best of our knowledge according to observable conditions at the site.